



**Northeast
Nuclear Energy**

Rope Ferry Rd. (Route 156), Waterford, CT 06385

Millstone Nuclear Power Station
Northeast Nuclear Energy Company
P.O. Box 128
Waterford, CT 06385-0128
(860) 447-1791
Fax (860) 444-4277

The Northeast Utilities System

Docket No. 50-423
B17911

NOV - 4 1999

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

Millstone Nuclear Power Station, Unit No. 3
Corrections to the Millstone Unit No. 3 Inservice Test Program

The purpose of this letter is to provide the Nuclear Regulatory Commission (NRC) with a correction to the Millstone Unit No. 3 Inservice Test Program (IST). Northeast Nuclear Energy Company (NNECO) submitted this Program to the NRC in a letter dated April 27, 1999.⁽¹⁾ As the result of an administrative error, that submittal contained in inaccurate copy of Relief Request R-2, pertaining to valves 3SIL*V15, V17, V19 and V21. The correct copy of the relief request is enclosed as Attachment 1 to this letter, and is provided to replace the corresponding pages in the Millstone Unit No. 3 Second 10-Year Interval IST Program.

There are no regulatory commitments contained within this letter.

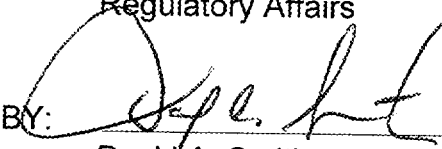
If there are any questions concerning this letter, please contact Mr. D. W. Dodson at (860) 447-1791, extension 2346.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY

FOR: Raymond P. Necci
Vice President - Nuclear Oversight and
Regulatory Affairs

BY:


David A. Smith
Manager - Regulatory Affairs

cc: See next page

A047

⁽¹⁾ R. P. Necci to the Nuclear Regulatory Commission, "Millstone Nuclear Power Station, Unit No. 3, Second 10-Year Interval Inservice Inspection and Test Programs," dated April 27, 1999.

Attachment: Inservice Test Program For Pumps and Valves, Corrected Pages

cc: H. J. Miller, Region I Administrator
J. A. Nakoski, NRC Project Manager, Millstone Unit No. 3
A. C. Cerne, Senior Resident Inspector, Millstone Unit No. 3

Docket No. 50-423
B17911

Attachment 1

Millstone Nuclear Power Station, Unit No. 3

Inservice Test Program For Pumps and Valves,
Corrected Pages

November 1999

One Time Relief Request
From In-Service Test Requirements

RELIEF REQUEST: R-2

VALVES: 3SIL*V15, V17, V19, V21

CATEGORY: AC

CODE CLASS: 1

FUNCTION: Open to allow SI accumulator tank discharge to the RCS loops.

TEST REQUIREMENT: Generic Letter (GL) 89-04, NRC Staff Position 2, "Alternative to Full Flow Testing of Check Valves." Specific requirements of a) "With four valves in a group and an 18-month reactor cycle, each valve would be disassembled and inspected every six years." and b) "Once this is completed, the sequence of disassembly must be repeated unless extension of the interval can be justified."

BASIS FOR RELIEF: Each of these valves have been disassembled, inspected and manually exercised in the previous refueling outages in accordance with Position 2 of GL 89-04 and as stipulated in approved relief request R-3 to Rev. 4 of the IST Program. Valve 3SIL*V15 was inspected in RFO1, 3SIL*V17 in RFO2, 3SIL*V19 in RFO3, and 3SIL*V21 in RFO4. Inspection and manual exercising results for each valve showed them to be in excellent condition with no visible degradation and with full stroke capability. The sequence of disassembly and inspection was scheduled to be repeated in RFO5 (i.e., 3SIL*V15 was scheduled to be inspected), however, indications during operation identified valve 3SIL*V19 as potentially having increased back leakage. Valve 3SIL*V19 was substituted for 3SIL*V15 and disassembled, inspected and manually exercised in RFO5. Inspection and manual exercising results for valve 3SIL*V19 showed it to be in excellent condition with no visible degradation and with full stroke capability.

These valves are 10" Westinghouse swing check valves. A review of industry operating experience for this type of valve did not identify any failures of the valves to open on demand. These valves were evaluated, in response to INPO SOER 86-03, using "EPRI Applications Guidelines for Check Valves in Nuclear Power Plants." They were classified as priority 3 valves which specifies disassembly and inspection within a period of five fuel cycles.

These valves cannot be full or part stroke exercised open during operation since the only flow path is from the SI accumulators to the vessel and accumulator pressure is insufficient to overcome RCS pressure. The valves should not be exercised during cold shutdowns because complete or partial discharge of the accumulator tanks into the reactor vessel could result in low temperature over pressurization of the RCS. Disassembly and inspection requires the plant to be in a mid loop configuration. The use of a freeze seal to allow disassembly and inspection under current plant shutdown conditions was evaluated and determined to not be viable due to system piping configuration and support locations.

ALTERNATE TESTING:

Valves 3SIL*V15 and 3SIL*V17 will be partially disassembled, inspected and manually exercised during RFO6. This will return the valves to the correct sequence of disassembly. These valves will continue to be partially disassembled, inspected and manually exercised on a staggered sampling basis each refueling outage. During each disassembly, the valve internals will be inspected for structural soundness (no loose or corroded parts). In the event a disassembled valve's full stroke capability is questionable, additional valves will be disassembled until 100% of the valves identified in this group have been disassembled and inspected.